

Title (en)

COMPOSITIONS, METHODS AND SYSTEMS FOR POLYMERASE CHAIN REACTION ASSAYS

Title (de)

ZUSAMMENSETZUNGEN, VERFAHREN UND SYSTEME FÜR POLYMERASEKETTENREAKTIONSTESTS

Title (fr)

COMPOSITIONS, PROCÉDÉS ET SYSTÈMES POUR DES ESSAIS DE RÉACTION EN CHAÎNE PAR POLYMÉRASE

Publication

EP 2964787 B1 20180912 (EN)

Application

EP 14759550 A 20140307

Priority

- US 201361775415 P 20130308
- US 2014022163 W 20140307

Abstract (en)

[origin: WO2014138711A1] The present disclosure provides methods, devices, systems and compositions for detecting nucleic acids in polymerase chain reaction assays, such as droplet digital polymerase chain reaction (ddPCR) assays. The present disclosure provides methods, devices, systems and compositions for detecting nucleic acids in ddPCR assays using intercalating dyes. A dual surfactant system with at least one fluorosurfactant and at least one non-ionic non-fluorosurfactant may be employed for droplet generation and nucleic acid detection.

IPC 8 full level

C12Q 1/68 (2018.01); **G01N 33/52** (2006.01)

CPC (source: EP US)

B01L 7/52 (2013.01 - US); **C12Q 1/6804** (2013.01 - US); **C12Q 1/6844** (2013.01 - EP US); **C12Q 1/6851** (2013.01 - EP US); **B01L 3/502784** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014138711 A1 20140912; AU 2014225372 A1 20150924; AU 2014225372 B2 20191024; CN 105189785 A 20151223; CN 105189785 B 20180420; CN 108441541 A 20180824; EP 2964787 A1 20160113; EP 2964787 A4 20160817; EP 2964787 B1 20180912; EP 3418398 A1 20181226; EP 3418398 B1 20200513; SG 10201710049R A 20180130; SG 11201507087W A 20151029; US 10676778 B2 20200609; US 2014302503 A1 20141009; US 2018135100 A1 20180517; US 9822393 B2 20171121

DOCDB simple family (application)

US 2014022163 W 20140307; AU 2014225372 A 20140307; CN 201480026003 A 20140307; CN 201810281734 A 20140307; EP 14759550 A 20140307; EP 18187279 A 20140307; SG 10201710049R A 20140307; SG 11201507087W A 20140307; US 201414201752 A 20140307; US 201715818601 A 20171120